

Mipin Prem Panalat

DevOps Engineer | Automation | Certified Kubernetes Administrator | Middleware Administrator

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PROFESSIONAL SUMMARY:

Dedicated IT professional with 11+ years of experience in **DevOps, Configuration Management, Continuous Delivery & Middleware Administration** (IBM WAS & MQ) for mission critical payments systems, rich experience with core payments solutions in bank payments domain. Excellent team player, quick learner, proven record of on-time quality deliverables and working in very demanding environments. Sound knowledge of SDLC phases and processes, project deliverables, quality control processes and industry's best practices.

- Currently working as Senior DevOps Engineer supporting payment product/projects at FIS Australasia.
- Worked as DevOps specialist, Release Manager, Build Engineer, and Middleware Admin [**IBM Websphere**] for various **Bank Payment Hub (BPH)** projects at Commonwealth Bank of Australia.
- Expert in Configuration management and Environment Automation using **Ansible**.
- Exposure to Infrastructure as code (IaC) using **Terraform**.
- Containerization using **Docker** and Container Orchestration using **Kubernetes & d2iq DC/OS**.
- Hands-on experience in **GIT & Subversion (SVN)** with very good understanding of **branching, merging** and other SCM concepts.
- **RedHat Linux, CentOS, Ubuntu, and IBM AIX** administration.
- Good Hands-on experience in **Packaging, Deployment & Deployment Automation** of JAVA Applications.
- Hands on experience in **Performance Tuning** (app server configurations) of **real-time online** and **batch payment flows** to the finest performance.

TECHNICAL COMPETENCIES:

Operating Systems	Red Hat Linux, CentOS, Ubuntu, IBM AIX, MacOS
Configuration Management Tools	Ansible
Containerization/Orchestration	Docker, Kubernetes, Amazon EKS, d2iq DC/OS
Scripting Languages	Shell, PYTHON/JYTHON
Build Tools	Apache ANT, Apache Maven
Source and Version Control	SVN, GIT, Bitbucket and JFrog Artifactory
CI/Build Tools	Jenkins, Maven, Apache IVY, Ant, JIRA, PMD, Checkstyle
Cloud Platform	Exposure to AWS & Azure
Database	Oracle 12c & 19c, Elasticsearch
Application Servers / Web Servers	IBM WebSphere Application Server, Apache Tomcat
Messaging	IBM MQ 9.x, IBM System Integration Bus
Load balancer	HAProxy, Nginx
Logging and Monitoring	ELK (Elasticsearch, Logstash & Kibana) Stack TIG (Telegraf, InfluxDB & Grafana) Stack
Other Tools	Atlassian JIRA & Confluence, Autosys (Scheduler)

PROFESSIONAL EXPERIENCE SUMMARY:

FIS Australasia

Senior DevOps Engineer - July 2017 - Till Date

FIS™ is a global leader in financial services technology, with a focus on retail and institutional banking, payments, asset and wealth management, risk & compliance, consulting, and outsourcing solutions.

Projects/Products:

- FIS' NPP is an innovative platform to allow banks & financial institutions to integrate their customer channels and back-end systems into the infrastructure of the **New Payments Platform (NPP)**, which is the central enabler of real-time payments in Australia. FIS NPP is the most widely implemented solution for NPP integration in Australia.
- FIS' **Open Payments Framework™ (OPF)** is a modular, ISO 20022-native payments platform to manage higher payment volumes, instant payments, and new channels.

Key Responsibilities:

- Configuration management and Environment Automation using Ansible.
- Container Orchestration using Apache Mesos, Marathon, Kubernetes.
- Manage Kubernetes and DC/OS clusters/setup and automate deployments to these environments.
- Kubernetes installation and setup using kubespray (Ansible).
- Deployment to Kubernetes clusters using helm.
- Create containerized (Docker) test environments for functional testing for various projects/products.
- IBM Websphere Application Server and IBM MQ Administration.
- Oracle Database Administration.
- Load balancer (HAProxy) setup and configuration for Test environments.
- CentOS/RHEL server administration and troubleshooting of environment issues.
- Develop scripts for automating (test) environment resets and to simulate production like deployments for various applications.
- Manage deployments to test servers & Create Jenkins QA deployment pipelines.
- Assist Nonfunctional – performance/resilience testing and tuning of applications/environments.
- Installation and setup automation of various logging and monitoring tool stacks like ELK & TIG.
- Prepare Installation and Deployment Guides for different FIS products.
- Automate and manage customer release documentation and uploads to FTP.
- Security vulnerability remediation (SSL, JAVA, OS related etc).
- Support FIS customers, across multiple geo locations to install and set up FIS products.
- Working on a proof-of-concept project for migrating legacy application to cloud environments (AWS/Azure).

Key Contributions/Achievements:

- Created Ansible collections for managing IBM Websphere and IBM MQ installations, with ability to capture the current state and install/update/remove installations based on input variables.
- Automated Oracle 19c RAC installation using Ansible, slashing the overall setup time from week(s) to couple of hours.
- Developed generic Ansible playbooks for End-to-End deployments & zero downtime rolling upgrades of applications to various functional and performance test environments.

HCL Australia Services PTY LTD, Client - Commonwealth Bank of Australia

- ❖ **DevOps Lead/Senior Consultant** - Jan 2013 - July 2017
- ❖ **Test Environment Support Lead** - Oct 2016 - July 2017
- ❖ **WebSphere Administrator / Build & Release Manager** - Dec 2010 – Jan 2013

Projects:

- BPH Migration [B1 Migration]: Compliance project to upgrade Bank Payment Hub (BPH) software stack from WebSphere version 6 to version 855.
- BPH Test Support: BPH Test support team is responsible for ensuring the smooth working of all payments test environments [Functional & non-functional] and deployment automation of new changes to the environment(s).
- Payment Platform Program (PPP): Payments Platform Program was setup with a vision to deliver a gold standard of payment process availability for the Commonwealth Bank.
- Bank Payment Hub [BPH v1 & v2]: CBA payment hub development and maintenance projects.

Key Responsibilities:

- Manage a team of 10 engineers, working in an onsite-offshore model, assigning tasks, and ensuring the availability of Bank test environments.
- Provision Dev and Test servers in Cloud
- Test environment setup - Installation and configuration of software's and Daily monitoring.
- Troubleshooting system issues and engaging relevant teams for quick resolution of issues.
- Automation of environment Setup and Server Configurations [ANT, shell, wsadmin/jython]
- Automate build deployment and data backup procedures.
- Automating scheduled jobs using bash scripts in crontab.
- IBM WAS/WPS/BPM & IBM MQ Installation & administration
- Resilience testing and Performance tuning of WebSphere application server and IBM MQ.
- Preparation of PROD deployment runsheets with detailed deployment instructions.
- SVN administration - Setting up repositories, creating branches, tags and managing user access.
- Raising JIRA tickets/IBM PMR's to Product team.
- Creation of certificate signing requests and Installation of SSL certificates.
- Creating TFS user stories and tasks for DB changes
- Reports generation- AWR, EMMA, JUnit, Check-style and PMD.
- Test and evaluate new tools.
- Jenkins & Cruise Control setup and administration

EDUCATIONAL QUALIFICATION:

- **Bachelor of Technology** (Electronics and Communication Engineering) from **Kannur University**, Kerala, India, 2010.

CERTIFICATIONS:

- CKA: Certified Kubernetes Administrator